

Course Outline

Security Center: Sipelia™	
Code	SC-SIP-001
Level	Intermediate
Duration	1 day (Instructor-led)
Target audience	Technicians, Administrators, and IT Professionals
Prerequisites	Any base-level Security Center Technical course (SC-OTC-001, SC-STC-001, SC-AFC-001, SC-AFS-001, SC-AMC-001)
Objectives	<p><u>Upon successful completion of this course the participant will be able to:</u></p> <ul style="list-style-type: none">• Install the Sipelia™ 2.13 VOIP solution on to an existing Security Center v 5.11 system• Setup and configure Sipelia™ 2.13• Install IP intercom hardware to be managed by Sipelia™ server• Install softphone PC software to be managed by Sipelia™• Configure Security Desk applications as SIP endpoints in the larger system• Manage audio and video calls between the different SIP endpoints• Associate intercoms with other Security Center entities (doors, camera)• Generate inventory report• Generate (historical) call report
Certification	A certification Exam will be given at the end of this course.

Topic	Description
Module 1: <i>Pre-work</i>	<ul style="list-style-type: none"> • Intro to Genetec • Intro to Sipelia™ training (Video #1) • Security Center Overview (Video #2)
Module 2: <i>Basic Telephone Systems</i> (Video #3)	<ul style="list-style-type: none"> • PBX • CO • PSTN • Switching • Local loop • Trunks
Module 3: <i>VOIP & Numbering plans</i> (Video #4)	<ul style="list-style-type: none"> • IPPBX • IP Phone variations <ul style="list-style-type: none"> ○ Hardphone ○ Softphone ○ ATA • Call Signaling <ul style="list-style-type: none"> ○ H323, SIP • Call Transport <ul style="list-style-type: none"> ○ STP, RTCP, RTSP • Gateway • Numbering plans • Objective of a numbering plan • Possible sorting methods • Numbering plan example
Module 4: <i>Getting started in Sipelia™</i> (30 min)	<ul style="list-style-type: none"> • What is Sipelia™? • System requirements • Sipelia Architecture • Licensing (5.10 and earlier & 5.11 and on) • Dial plans
Module 5: <i>Sipelia™ deployment</i> (1½ hour)	<ul style="list-style-type: none"> • Installing Sipelia™ Server • Creating the Sipelia™ Plugin role • Creating the Sipelia™ Mobile Plugin role • Configuring the Sipelia™ system communication service • Configuring SIP accounts for SC users • Installing Sipelia™ Client • Configuring Sipelia™ Client
Module 6: <i>User interface tour of Sipelia™</i> (45 min)	<ul style="list-style-type: none"> • Call management • Commands During a Call • Call report task • Viewing the inventory of VoIP entities

Topic	Description
Module 7: <i>Additional Configuration</i> (45 min)	<ul style="list-style-type: none"> • Recording the audio and video of call sessions • Associating SC cameras with users • DTMF presets • Ring groups • Public Address • Sipelia E2A (PA and displaying cameras)
Module 8: <i>SIP Intercoms</i> (30 min)	<ul style="list-style-type: none"> • Adding SIP intercoms • Security • Axis intercom example • 2N intercom example • Vignitor-Stentofon example
Module 9: <i>SIP trunks & dial plans</i> (45 min)	<ul style="list-style-type: none"> • SIP Trunking • Adding SIP trunks • Security • Defining dial plan rules • Importing dial plans • Configure two-way communication between Sipelia™ Server and other SIP servers
SC-SIP-001 Exam (1 hour)	<ul style="list-style-type: none"> • Exam • Passing grade: 80% • 1 hour